PTO/SB/84 (10-05)

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PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT **ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)**

Docket Number (Optional) 19.0353

First named inventor; Keith A. Moriarty	
Application No.: 10/735312	Art Unit: 3672
Filed: December 12, 2003	Examiner: William P. Neuder
Title: Directional Drilling Casing	
Attention: Office of Petitions	03/v3/2006 AKE.ECH1 00000067-502898 09187256
Mail Stop Petition Commissioner for Patents	03/03/2006 AKELECH1 00000068 502898 10735312
P.O. Box 1450 Alexandria, VA 22313-1450 FAX (571) 273-8300	01 FC:1453 1500.00 DA
	ded in completing this form, please contact Petitions
The above-identified application became abandoned action by the United States Patent and Trademark Offidate of the period set for reply in the office notice or action.	for failure to file a timely and proper reply to a notice or ice. The date of abandonment is the day after the expiration tion plus an extensions of time actually obtained.
APPLICANT HEREBY PETITIONS	FOR REVIVAL OF THIS APPLICATION
NOTE: A grantable petition requires the fo (1) Petition fee; (2) Reply and/or issue fee; (3) Terminal disclaimer with discla filed before June 8, 1995; and (4) Statement that the entire delay	imer fee - required for all utility and plant applications for all design applications; and
1.Petition fee Small entity-fee \$ (37 CFR 1.17(m)).	Applicant claims small entity status. See 37 CFR 1.27.
Account 502898 along with any oth 2. Reply and/or fee	(37 CFR 1.17(m)). Please charge to Deposit ner fees due, or to credit overcharges.
A. The reply and/or fee to the above-noted C the form of Response, Information Disclosure St	
has been filed previously on 12/1 is enclosed herewith. Response	IDS 12/03 (copies were not attached then) se to Office Action, cited reference
copies previou B. The issue fee and publication fee (if appli has been paid previously on is enclosed herewith.	cable) of \$

[Page 1 of 2] This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/64 (10-05)

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3. Ter	minal disclaimer with disclaimer fee	
√	Since this utility/plant application was filed o	on or after June 8, 1995, no terminal disclaimer is required.
	= = = = = = = = = = = = = = = = = = = =	7 CFR 1.20(d)) of \$ for a small entity or \$ e required period of time is enclosed herewith (see
filing Tradaba	g of a grantable petition under 37 CFR 1.137(demark Office may require additional informa andonment or the delay in filing a petition und osections (III)(C) and (D)).]	red reply from the due date for the required reply until the (b) was unintentional. [NOTE: The United States Patent and Ition if there is a question as to whether either the ler 37 CFR 1.137(b) was unintentional (MPEP 711.03(c),
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contrib numbe the US USPTO to the a of the a of a pa referen	bute to identity theft. Personal information such ers (other than a check or credit card authorization SPTO to support a petition or an application. If this O, petitioners/applicants should consider redacting USPTO. Petitioner/applicant is advised that the rapplication (unless a non-publication request in co- atent. Furthermore, the record from an abandon- acced in a published application or and issued patent.	rsonal information in documents filed in a patent application that may as social security numbers, bank account numbers, or credit card form PTO-2038 submitted for payment purposes) is never required by type of personal information is included in documents submitted to the such personal information from the documents before submitting them record of a patent application is available to the public after publication impliance with 37 CFR 1.213(a) is made in the application) or issuance application may also be available to the public if the application is t (see 37 CFR 1.14). Checks and credit card authorization forms PTO-the application file and therefore are not publicly available.
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